

**ABSTRACT OF THE DISCLOSURE**

A vehicle-hosted local network includes a subscriber data source that transmits audio data and compressed video data to respective subscriber data sinks on the network. The subscriber data source includes a demultiplexer that separates compressed audio data and compressed video data contained in one compressed source signal. A pre-processing circuit processes in parallel the separated audio data and the separated video data to provide the audio data and the compressed video data that is transmitted to the respective subscriber data sinks on the network.